

**Table S1****Baseline HERV activity in different human brain cell lines.**

HERV groups (subgroups)		U-138 MG	U-251 MG	SK-N-SH	SK-N-MC	HNSC.100
class I	<b>HERV-I</b>	-	-	-	-	-
	<b>HERV-T</b>	-	-	+	-	-
	<b>HERV-FRD</b>	-	-	-	-	-
	<b>HERV-E *</b>	+/-	+	+	+	+
	<b>RGH2 (HERV-H)</b>	-	+	+	-	-
	<b>HERV-ADP</b>	-	-	-	-	-
	<b>HERV-Fb (HERV-F) *</b>	+	+/-	+/-	+	+
	<b>HERV-W</b>	+/-	+/-	+	+	+
	<b>HERV-R</b>	-	-	-	-	-
class II	<b>ERV9 *</b>	+	+	+	+	+
	<b>HML-1</b>	-	-	-	-	-
	<b>HML-2 *</b>	-	-	-	-	-
	<b>Seq26 (HML-3)</b>	+	-	+	+	+
	<b>HML-4 *</b>	+/-	+	+	+	+
	<b>HML-5</b>	+	-	+	-	-
	<b>HML-6 *</b>	+/-	+	+	+	+
	<b>HML-7</b>	-	-	-	-	-
	<b>HML-8</b>	-	-	-	-	-
class III	<b>HML-9 *</b>	+/-	+	+	+	+
	<b>HERV-KC4 (HML-10) *</b>	+	+	+	+	+/-
<b>class III</b>	<b>HERV-L</b>	-	-	+	-	-

+ active in both experiments

+/- active in one experiment

Data were obtained from at least two microarray experiments of two individually grown cell cultures.

\* (sub-)groups representing the retroviral core activity in human brain [20].